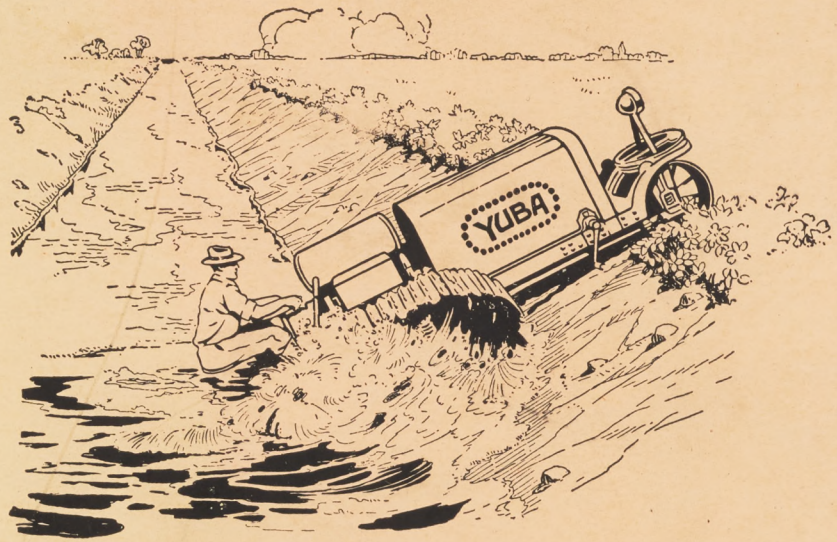
The Yuba Construction Company

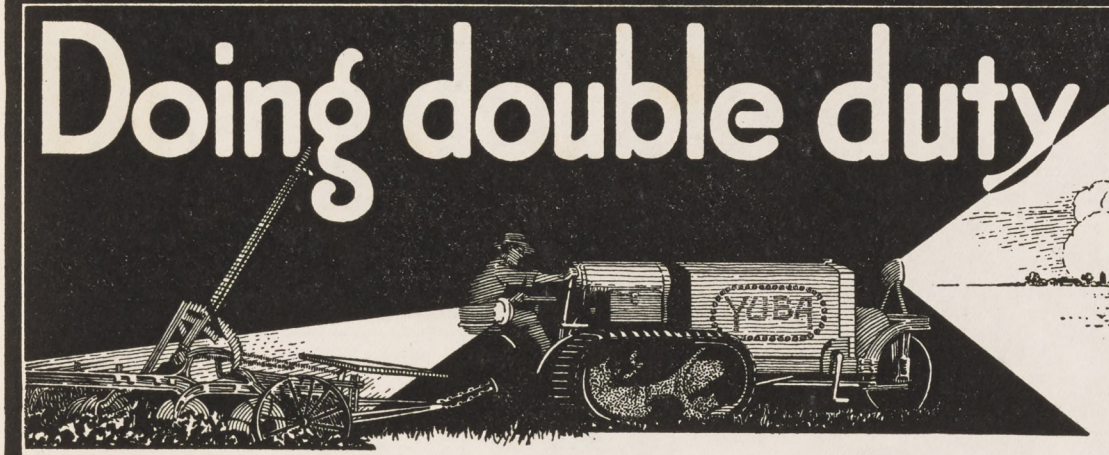
San Francisco

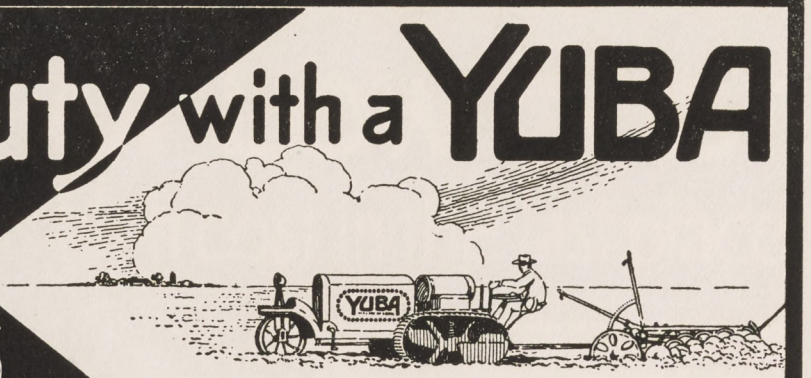


Autumn 1916 Campaign

Johnston-Ayres Company
Advertising Agency
San Francisco

Doing double duty with a YUBA





There are times when the days are not long enough

on the farm—when the ability to do night work means all the difference between a seasonal loss or a seasonal profit.

The tired horses cannot work two shifts a day, but the right tractor can. Some farmers do not work their tractors nights because even a slight breakdown means leaving the tractor stand until daylight.

The Yuba Ball Tread Tractor—substantially and honestly built—works right through until morning.

There is no carburetor trouble on the Yuba. The carburetor can be adjusted, from the seat, for the cooler and heavier night air.

Sometimes night operators find adjustments troublesome, but not on the Yuba. There are only 5 grease cups to watch.

Doing double duty with the Yuba in the cool damp night air—That is something to look forward to.

THE YUBA CONSTRUCTION COMPANY

433 CALIFORNIA STREET, SAN FRANCISCO

THE YUBA BALL TREAD TRACTOR

THE YUBA CONSTRUCTION CO.

DEPARTMENT

433 California Street, San Francisco, Cal.

Gentlemen: Kindly send me a copy of your booklet, "The Yuba Ball Tread Tractor."

Name ..... Check Main Crop Raised

P. O. Box ..... Fruit.....Rice.....

Town ..... Grapes ....Alfalfa .....

State ..... Grain.....Hay.....

Size of Farm .....Acres Hops..... .....

The High cost of Low cost

Low cost in the first place means high cost in the last place

1. The price of under-powered tractor
   + the cost of keeping horses
   = the cost of a YUBA
   which replaces all the horses

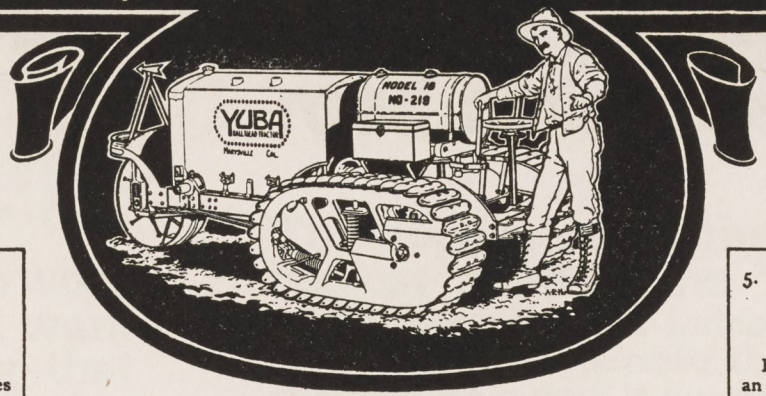
In the long run it pays to buy the high-powered tractor.

2. The price of poor traction—round wheel
   + lost time in plowing
   = the cost of a YUBA

In the long run it pays to buy the tractor that does the plowing quickly.

3. The price of one-purposed tractor
   + loss of opportunities
   = the cost of a YUBA

In the long run it pays to buy the tractor that suits all purposes—is ready for every job.



THE YUBA BALL TREAD TRACTOR



4. The price of tractor requiring expensive repairs
   + cost of exorbitant upkeep
   = the cost of a YUBA

In the long run it pays to buy the tractor that is built to work 24 hours a day and give constant service at lowest cost.

5. Price of cheaply built tractor
   + high depreciation charges
   = the cost of a YUBA

In the long run it pays to buy the tractor built by an organization of skillful engineers with an international reputation to uphold.

6. As you continue to use a tractor you will eventually pay the price of a YUBA. It is wiser to do that in the first place and save the worry due to delay, and the annoyance of continued repairs.

If you haven't a YUBA catalogue, we'll be glad to send one on request

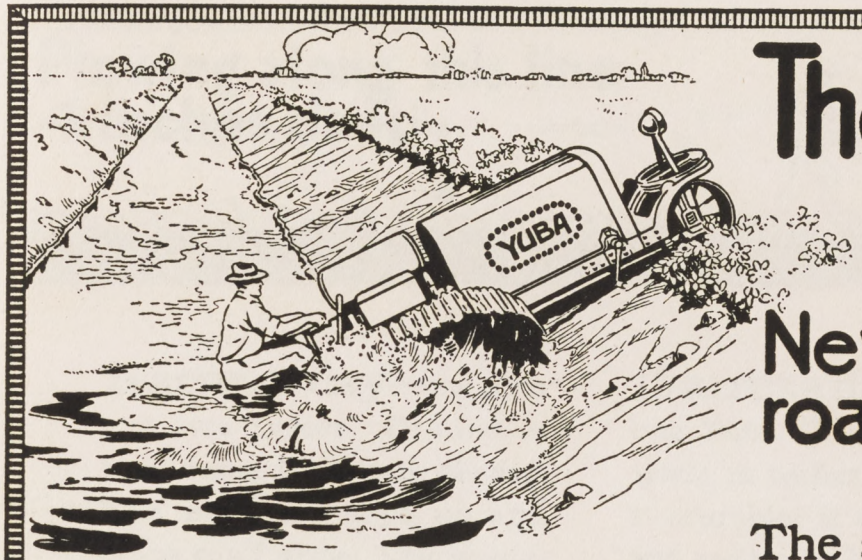
THE YUBA CONSTRUCTION COMPANY

433 CALIFORNIA STREET
SAN FRANCISCO

THE YUBA CONSTRUCTION CO.
Department
433 California Street, San Francisco, California

Gentlemen: Kindly send me a copy of your booklet, "The Yuba Ball Tread Tractor."

Name..... CHECK MAIN CROP RAISED
P. O. Box.....Town..... Fruit... Rice... Grapes...
State.....Size of Farm....acres Alfalfa..Grain...Hay .....
Hops .....



The machine that keeps a-going

Never mind the weather, soil, road or time of day or night

When you go out to work with a tractor, you want one that keeps going–that is built on a keep-going principle, of the kinds of materials and by the mechanical skill that enable it to perform, regardless of conditions.

The application of the ball bearing to the endless tread of the Yuba is largely responsible for its utter independence of weather and soil conditions. It permits the use of the widest tread extensions when work in wet adobe or tule land demands. No other tractor has the "Ball Tread." It is an important step in tractor development you should know about. The Yuba catalogue is a reference book every farmer should have.

THE YUBA BALL TREAD TRACTOR

THE YUBA CONSTRUCTION COMPANY

433 CALIFORNIA STREET, SAN FRANCISCO

THE YUBA CONSTRUCTION CO.
DEPARTMENT
433 California Street, San Francisco, Cal.

Gentlemen: Kindly send me a copy of your booklet, "The Yuba Ball Tread Tractor."

Name ....
P. O. Box.....
Town .....
State .....
Size of Farm.....Acres

Check Main Crop Raised

Fruit..... Rice.....
Grapes..... Alfalfa.....
Grain.....Hay.....
Hops..... .....

The machine that keeps going

Never mind the weather, soil, road or time of day or night

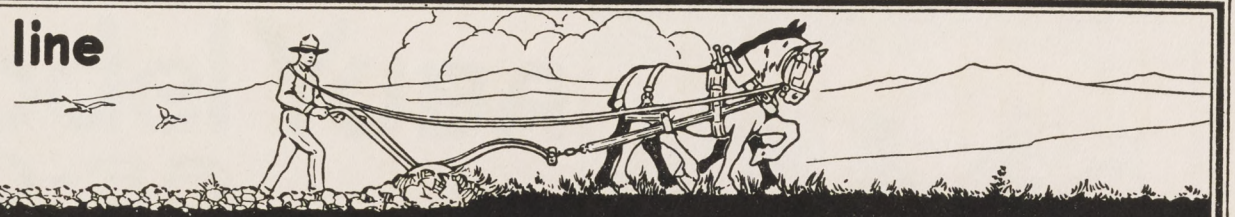
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THE YUBA CONSTRUCTION COMPANY

49 CALIFORNIA STREET, SAN FRANCISCO

Plowing along this line 4 inches deep



$2\frac{1}{2}$ acres a day—one man and two horses. Ground is hard before it all gets plowed. The moisture drys up and crops can't grow. This wasteful method is no longer necessary.

15 acres a day—one man, one Yuba. Ground is plowed while in perfect condition—as it crumbles it retains the air and moisture. This economical method is approved by experience.

THE YUBA BALL TREAD TRACTOR

THE YUBA CONSTRUCTION CO.
DEPARTMENT
433 California Street, San Francisco, Cal.

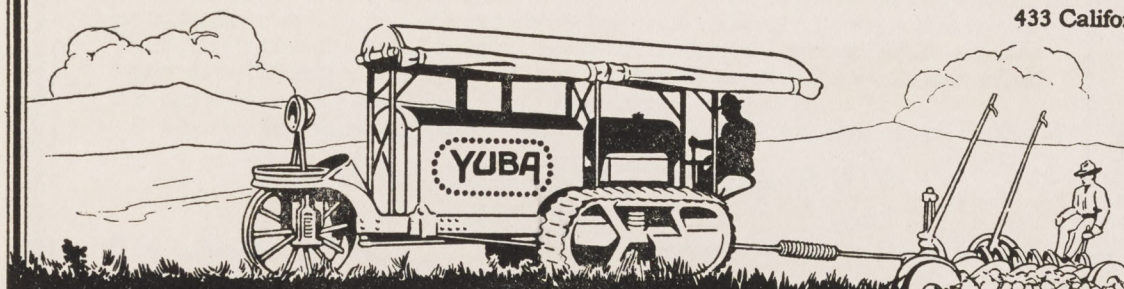
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Name .....
P. O. Box .....
Town .....
State .....
Size of Farm ..... Acres

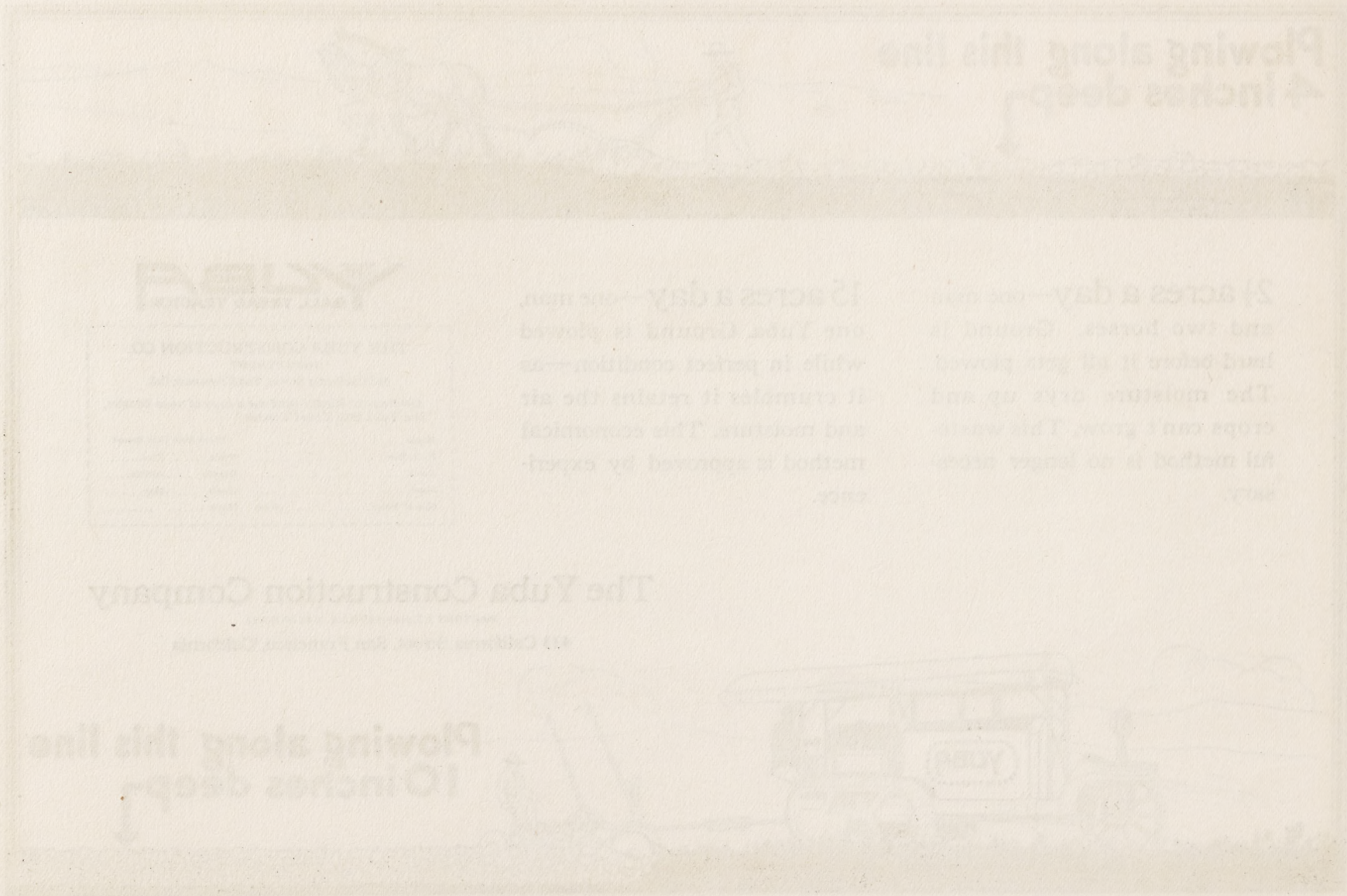
Check Main Crop Raised
Fruit ..... Rice .....
Grapes ..... Alfalfa .....
Grain ..... Hay .....
Hops ....

The Yuba Construction Company

FACTORY AT MARYSVILLE, CALIFORNIA
433 California Street, San Francisco, California



Plowing along this line 10 inches deep



New Model YUBA
20-35
Successor to the Model 18

Over 60% of the developed power is converted into actual work—that's tractor efficiency.

The transmission is completely enclosed—it is built as carefully as a watch.

Completely equipped with Hyatt high duty roller bearings. The BALL TREAD has all the frictionless qualities of the ball bearing. The minimum amount of power is used to move the tractor itself.

The renewable ball race is now made in two parts, and will permit of greater wear. There is room for larger oversize balls.

The new track is boltless, needing no attention. The treads are of high carbon cast steel. Wearing points are thickened. The tread has greater traction.

The air cleaner is more efficient and requires next to no attention. The radiator also is much improved. A heavy-duty long stroke motor is employed. It is ideal for a stationary power plant. The crank shaft is larger.

The oiling system is of the force feed type. The distillate tank is larger—holds 38 gallons.

A request from you will bring by mail a thoroughly detailed description of this new model—the most perfect application of farm power ever produced.

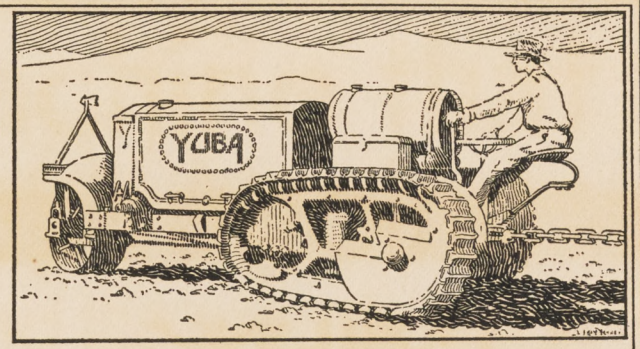
Hundreds of farmers and other users of the Yuba Ball Tread Tractor have, for three years, been helping us build the new model 20-35. Through our Service and Engineering departments an intimate touch has been kept with nearly every machine sold. The behavior of every part of each machine in the most exacting service has been under observation. Wherever an improvement in material or construction was suggested, it was carefully noted. Opportunities for minor changes were noted.

One by one these suggestions were tried out. Engineering skill of the highest

THE YUBA CONSTRUCTION COMPANY
SAN FRANCISCO

Works at Marysville, California

MANUFACTURERS OF THE YUBA PLOW, THE YUBA PUMP



Replaces 20 horses at the drawbar and gives 35 H.P. on the Belt
More power. Less upkeep

quality has been constantly experimenting and proving up the suggested changes during these three years. The result is the new model 20-35; replacing 20 horses at the drawbar, and giving 35 H. P. on the belt.

The new model replaces the model 18, the most popular tractor in the west. It has more power, and less upkeep. But note this important fact: the improvements are minor, and each of them can be made at a reasonable cost on the old model 18. These three years of persistent search for defects have proved the original design to have been in the main correct in principle. YUBA owners now have assurance that their tractors never become obsolete.

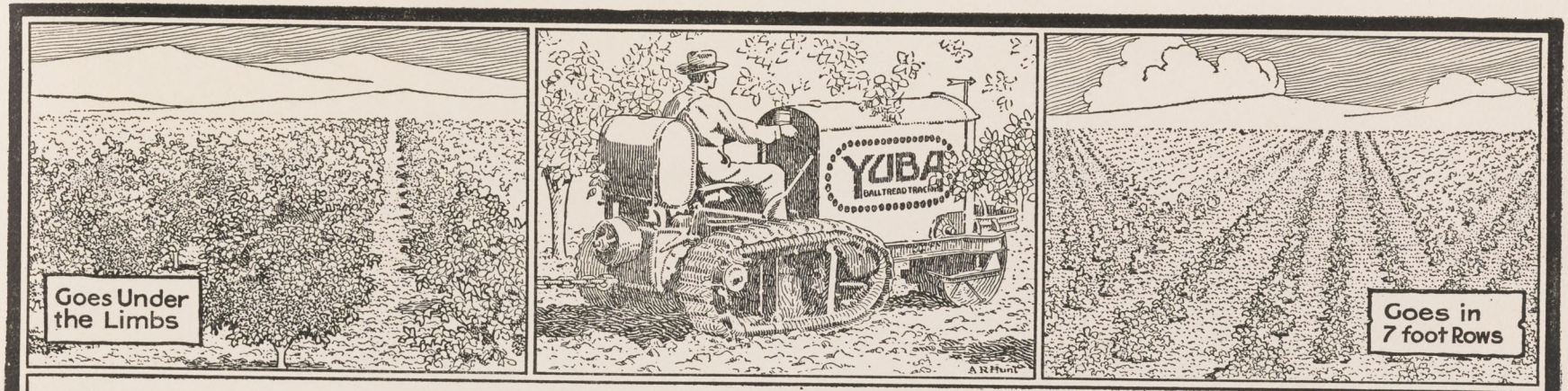
THE YUBA CONSTRUCTION CO.
Department
433 California Street, San Francisco, California

Gentlemen: Kindly send me a copy of your booklet, "The Yuba Ball Tread Tractor."

P. O. Box .....
Name .....
Size of Farm..... acres
Town .....
State .....

CHECK MAIN CROP RAISED

Fruit..... Rice.....
Grapes ..... Alfalfa.....
Grain ..... Hay.....
Hops..... .....



New Model 12-20 Yuba

It is only 55 inches wide. It works in vineyards with 7-foot rows. It goes under the limbs and gets close to the trees in orchards. It is simple in design, light in weight and priced accordingly. Write us about the lower price.

It is built particularly for orchard, vineyard and side-hill work; but may be used in scores of other ways, and in any kind of soil.

Its three speeds give it unusual flexibility. It has few wearing parts, and low upkeep. Big operators need it for its particular purposes; smaller operators need it for all purposes.

Orders now being booked for future deliveries.

THE YUBA CONSTRUCTION COMPANY
SAN FRANCISCO

Works at Marysville, Cal. *Write for address of nearest agent*

STUDY THESE SPECIFICATIONS

MOTOR: 4½ inch bore, 6¾ inch stroke. Side plates for the easy adjustment of bearings. Extra heavy crank shaft. Equipped with Ensign Carburetor and automatic priming tank. Fly wheel clutch.

TRACK: Tread shoes of cast steel—without bolts. Pins and bushings are renewable. The races are of manganese steel.

TRACK DRIVE: Through manganese pinion that meshes directly with the chain. This pinion is completely enclosed and protected from wear.

AIR CLEANER: Equipped with a Donaldson Air Cleaner, which is almost 100 per cent. efficient in removing harmful dust from air that enters the carburetor.

TRANSMISSION: Of the sliding gear with three speeds forward and one reverse. Direct drive on all three speeds. Low speed 1½ miles per hour. Intermediate speed 2½ miles per hour. High speed 3½ miles per hour.

DIMENSIONS: Over-all width, 55 inches. Length, 12 feet, 3 inches. Height, 4 feet, 6 inches.

TRACK AREA: 935 square inches. Pressure per square inch less than 5 pounds.

WEIGHT: 6200 pounds.

THE YUBA CONSTRUCTION CO.
Department
433 California Street, San Francisco, California

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Name ..... CHECK MAIN CROP RAISED

P. O. Box ..... Fruit..... Rice.....

Town ..... Grapes ..... Alfalfa.....

State ..... Grain ..... Hay.....

Size of Farm..... acres Hops..... .....

THE NARROW YUBA

55 inches wide
12 horse power at the drawbar
20 horse power at the belt

The powerful little bull-dog of tractors made for service on the smaller acreages and especially for cultivating

Asparagus
Hops
Grapes
Beets

It is narrow enough to go between the rows

It has no equal in the vineyard—it hugs close to the trees—goes under the limbs—turns in short space—doesn't pack the ground

The ball tread track is 13 inches wide—it is power in compact form



Asparagus

The banked-up rows are narrow—and soft earth—the 55-inch Yuba is the only machine suitable for the purpose

Hops

Economy calls for narrow rows—there's where the Yuba works

Grapes

Here's the machine for vineyards

Beets

The narrow Yuba helps the beet grower make money

Write

The Yuba Catalogue and Fall Bulletin will be sent upon request

The Yuba Construction Company

Factory at Marysville, Cal.

433 California Street
San Francisco, Cal.

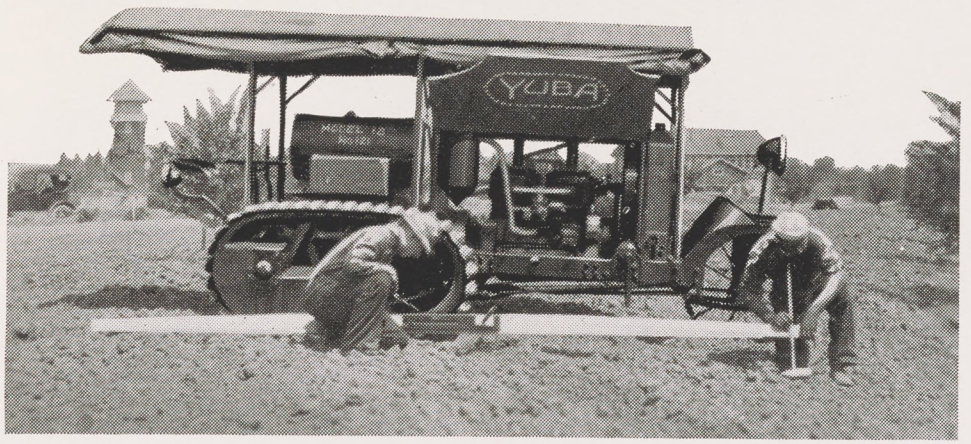
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Town .....
State .....
Size of Farm ..... Acres

Check Main Crop Raised

Fruit ..... Rice .....
Grapes ..... Alfalfa .....
Grain ..... Hay .....
Hops ....



COASTING

THE Division of Agricultural Engineering of the College of Agriculture, University of California, at the University Farm at Davis, Professor J. B. Davidson in charge, made some tests (see picture) to determine the extent of friction in the ball tread of the Yuba Ball Tread Tractor.

The result was the astonishing discovery that the tractor actually coasted over soft ground, down a 3% grade.

The maximum motor power of the Yuba is delivered at the drawbar—where it will accomplish useful work.

When a machine is so built that it will coast down a 3% grade over plowed soil, you may be sure that the power you generate is used, for the most part, to haul the load.

You may be sure that transmission is perfect, that the resistance, due to the machine itself, is lessened by the ball bearing tread—the only one of its kind used in a tractor.

Hyatt roller bearings, and steel balls which carry the load, move so easily that this powerful machine COASTS, as was proved by the scientific tests made at the Agricultural College.

In a tractor you want the power at the drawbar—you want as little as possible of it utilized to propel the machine.

The accurate machining, the perfect work of the mechanics, the superior materials used in manufacturing the YUBA BALL TREAD TRACTOR result in its easy running—in its coasting.

This scientific test proved the principle to be right, and the workmanship perfect. Proved it to have the accuracy of a watch, with the power of twenty horses on the drawbar.

The Yuba Construction Company

433 California Street, San Francisco

Works at
Marysville, California

Two Sizes:
12-20 and 20-35 Horsepower

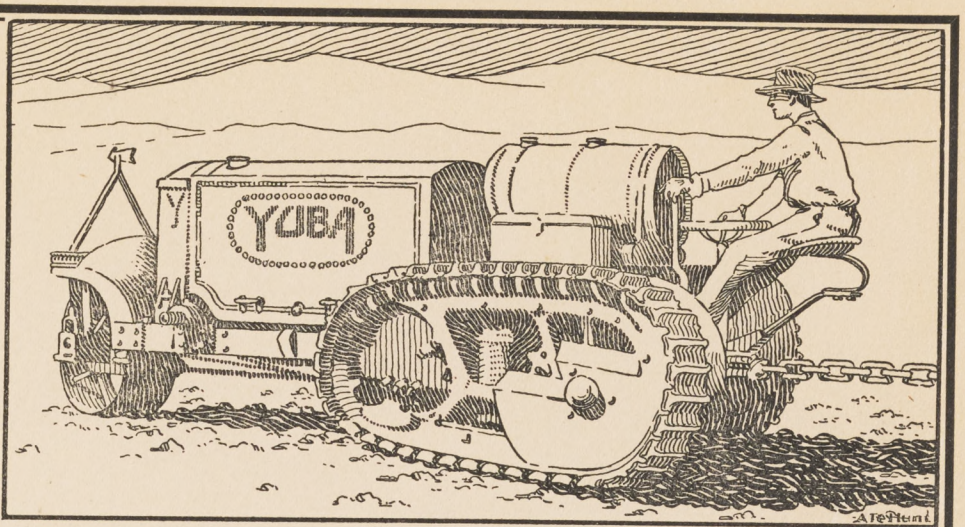
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P. O. Box . . . . CHECK MAIN CROP RAISED
Name . . . . . Fruit . . . . . Rice . . . . . .
Size of Farm . . . . . acres Grapes . . . . Alfalfa . . . . .
Town . . . . . Grain . . . . . Hay . . . . . .
State . . . . . Hops . . . . . .

WHAT YOU CAN DO WITH A

YUBA



You can get good cultivation within reasonable time, as did Mr. Brown, of the Santa Clara Valley.

You can harrow 30 to 40 acres a day, as do Davis & Son, of Spokane.

You can turn sharp corners in your orchard, and go under the limbs of trees, as do the Mills Orchard Co. in Yolo County.

You can PLOW—20 acres a day at a cost of 40c an acre, as did Mr. Hughes, of Kahlotus, Washington.

You can DISC—30 acres a shift at a profit of $25, as did Mr. Morrison in Sutter County.

You can HAUL—426 sacks of barley on one load, as did Mr. Leathers, of Woodland.

You can do ROAD WORK—receive pay for 96 days out of 100 working days, as did Mr. Russell, of Saratoga.

You can plant eight rows of beans at a time, as do Chew Mock and Chew Fook.

You can pull a 30-foot heavy clod-masher, or a 42-foot corrugated steel roller, as does the Sutter Basin Company.

You can save time and make money with a YUBA—let us prove it to you.

The Yuba Construction Company

433 CALIFORNIA STREET
SAN FRANCISCO

Works at
Marysville, California

Models 12-20 and 20-35

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State ..... Grain ..... Hay.....
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WHAT?
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WITH A
YUBA